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Our File No. 9281-4707  
Client Reference No. SN US02083

## PATENT APPLICATION TRANSMITTAL LETTER

To the Commissioner for Patents:

Transmitted herewith for filing is the patent application of Kinshiro Takadate and Hitoshi Onishi for Non-Reciprocal Circuit Element With Reduced Shift Of Center Frequency Of Insertion Loss With Change In Temperature And Communication Device.

Enclosed are:

- Preliminary Amendment
- 50 pages of application (including title page and Abstract), 14 sheets of formal drawings and the following Appendices: n/a
- Declaration and Power of Attorney for Patent Application
- Assignment transmittal letter and Assignment of the invention to: Alps Electric Co., Ltd.
- Submission of Certified Copy of Priority Document and certified copy of Japanese Application No(s). 2002-334999
- Information Disclosure Statement, PTO-1449, and reference \_\_\_\_\_

Claims as Filed	Col. 1	Col. 2
For	No. Filed	No. Extra
Basic Fee		
Total Claims	6-20	
Indep. Claims	-3	
Multiple Dependent Claims Present		

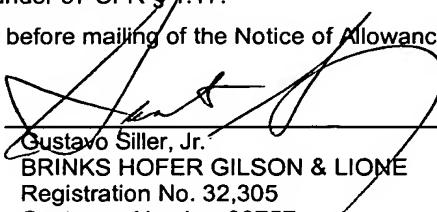
\*If the difference in col. 1 is less than zero, enter "0" in col. 2.

Small Entity		Other Than Small Entity	
Rate	Fee	Rate	Fee
	\$ 385		\$ 770
x\$9=	\$	x\$18=	\$
x\$43=	\$	x\$86=	\$
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Total	\$	Total	\$770

- Please charge my Deposit Account No. 23-1925 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$770.00 to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
  - Any additional filing fees required under 37 CFR § 1.16.
  - Any patent application processing fees under 37 CFR §1.17.
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  - Any filing fees under 37 CFR § 1.16 for presentation of extra claims.
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  - The issue fee set in 37 CFR § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR § 1.311(b).

Date

4/21/03

  
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